

Trade and Industrial Education
Course: Carpentry II
Course Code # 5732
2 Credits

School Year _____

Term: ____ **Fall** ____ **Spring**

Student:	Grade:
Teacher:	School:
Number of Competencies in Course: 49	
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

STANDARD 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Demonstrate leadership skills.			
1.2	Use problem-solving techniques to address and propose solutions to school, community, and workplace problems.			
1.3	Demonstrate the ability to work professionally with others.			
1.4	Participate in SkillsUSA-VICA as an integral part of instruction.			

STANDARD 2.0: Students will assume responsibility for the safety of themselves, their coworkers, and bystanders.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Exhibit and encourage in others a positive attitude regarding safety practices and issues.			
2.2	Habitually inspect and use appropriate personal protective equipment for assigned tasks.			
2.3	Inspect, maintain, and employ safe operating procedures with tools and equipment, such as scaffolding, lifting equipment, and air-powered drivers.			
2.4	Exhibit a well-developed awareness of potential hazards to self and others.			
2.5	Carry out responsibilities under HazCom (Hazard Communication) regulations.			
2.6	Take action to protect coworkers and bystanders from hazards as required by regulations and company policies.			
2.7	Report accidents and observed hazards and execute emergency response procedures as required by regulations and company policies.			
2.8	Demonstrate appropriate construction-related safety procedures.			
2.9	Pass with 100 % accuracy a written examination relating to safety issues.			
2.10	Pass with 100% accuracy a performance examination relating to safety.			
2.11	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.			

STANDARD 3.0: Students will interpret, layout, and fabricate in conformance to construction drawings and written specifications.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Scale dimensions that are not explicitly included in construction drawings.			
3.2	Interpret plan and elevation views shown in construction drawings.			
3.3	Recognize and interpret lines and symbols commonly used in construction drawings.			

STANDARD 4.0: Students will install windows and doors in residential and commercial structures.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Compare and contrast various types of windows and doors used in residential and commercial structures.			
4.2	Comprehend and interpret fire rating information on the door schedule included in construction plans.			
4.3	Install interior and exterior pre-hung doors, with weather-stripping and locksets where applicable.			
4.4	Install pre-hung windows.			

STANDARD 5.0: Students will explore the geometry and methods of fabrication of stairs.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Compare and contrast various types of stair construction used in residential and commercial structures.			
5.2	Determine unit rise and unit run, and compare to appropriate building code standards.			
5.3	Interpret construction drawings of stairs.			
5.4	Construct all or part of a stair, based on construction drawings.			

STANDARD 6.0: Students will install, finish, and repair gypsum wallboard.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Compare and contrast the various types and uses of gypsum wallboard.			
6.2	Installs gypsum wallboard using proper fasteners			
6.3	Finish a gypsum wallboard installation.			
6.4	Repair a damaged gypsum wallboard.			

STANDARD 7.0: Students will install trim on doors, windows, and other features.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Differentiates between common types of molding and their typical uses.			
7.2	Install trim on doors, windows, and other features.			

STANDARD 8.0: Students will perform site layouts with radial measurements.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Make site plan layouts using distance and radial measurement techniques.			
8.2	Measure and lay out elevations and grades.			
8.3	Measure vertical and horizontal angles using transits or theodolites.			

STANDARD 9.0 Students will complete exterior finish work on residential and commercial structures.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
9.1	Use equipment and procedures to mitigate hazards unique to exterior finish work.			
9.2	Continually assess wind and weather conditions, as they affect the safety of worker, and mitigate risks where possible.			
9.3	Correctly install flashing and other waterproofing components, as detailed in construction drawings and specifications.			
9.4	Correctly install selected common cortices.			
9.5	Correctly install selected common wood sidings.			
9.6	Correctly install selected manufactured product sidings.			
9.7	Correctly install selected types of gutters and downspouts.			

STANDARD 9.0 Students will describe the need for and methods of achieving thermal and moisture protection.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
10.1	Calculate R-values for specified wall designs.			
10.2	Describe the need for and typical methods for implementing attic ventilation.			
10.3	Describe the need for and typical methods for providing vapor barriers on floors, walls, ceilings, and roofs.			
10.4	Install insulation, vapor barriers, and house wraps.			

STANDARD 11.0 Students will perform basic oxyfuel cutting and shielded metal arc welding on carbon steel.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
11.1	Store, operate, and maintain welding equipment and accessories according to accepted industry practice.			
11.2	Perform oxyfuel cutting operations.			
11.3	Make single-and multiple-pass fillet and groove welds using a shielded, metal arc welding (SMAW) process.			

Additional Comments _____